Dishwasher

Use & Care Guide

6918977 A

SAMSUNG

Use & Care Guide

Part No. 6918977 A

Litho U.S.A.

Installer: Please leave this manual with this appliance.

Consumer: Please read and keep this manual for future reference. Keep sales receipt and/or cancelled check as proof of purchase.

Model Number _____

Serial Number_____

Date of Purchase _____

If you have questions, call:

1-800-SAMSUNG

Internet: www.samsungusa.com

In our continuing effort to improve the quality and performance of our appliances, it may be necessary to make changes to the appliance without revising this guide.

For service information, see page 15.

SAFETY

What You Need to Know About Safety Instructions

Warning and Important Safety Instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur. Common sense, caution and care must be exercised when installing, maintaining or operating the dishwasher.

Always contact your dealer, distributor, service agent or manufacturer about problems or conditions you do not understand.

Recognize Safety Symbols, Words, Labels

⚠ DANGER

DANGER – Immediate hazards which **WILL** result in severe personal injury or death.

⚠ WARNING

WARNING – Hazards or unsafe practices which **COULD** result in severe personal injury or death.

⚠ CAUTION

CAUTION – Hazards or unsafe practices which **COULD** result in minor personal injury.

Important Safety Instructions

⚠ WARNING

Check with the installer to make sure the appliance has been properly grounded to avoid possible electrical shock. Be sure you read the important personal safety instructions before you use this dishwasher.

Products with a (UL) label have been listed with Underwriter's Laboratories, Inc. – those with a CSA tag have been listed with Canadian Standards Association. Nevertheless, as with any other equipment using electricity and moving parts, there is a potential hazard.

⚠ WARNING

When using your dishwasher, follow basic precautions, including the following:

1. Read all instructions before using the dishwasher.
2. Use the dishwasher only for its intended function.
3. Disconnect electrical power to dishwasher before attempting to service.
4. To avoid electrical shock hazard, the sides and back must be enclosed and the front panels must be attached before electrical power is applied to the dishwasher. Refer to the installation instructions for proper grounding procedures.
5. Connect to a properly rated, protected and sized power supply circuit to avoid electrical overload.
6. Children should never be permitted to operate, or play in, with, or around this dishwasher.
7. To reduce the risk of injury when loading items to be washed, sharp or pointed items should be located with the handles up. Also, load sharp items so they are not likely to damage the door seal.
8. Do not touch the heating element on the bottom of the tub during or at the completion of a cycle. It will be hot.
9. Use only detergents and rinse additives designed for a residential automatic dishwasher. Never use soap, laundry detergent, or hand washing detergent in your dishwasher. Keep these products out of reach of children.
10. Do not sit, stand on or abuse the door or dish racks of the dishwasher.
11. Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for two weeks or more. ***Hydrogen gas is explosive.*** If the hot water system has not been used for such a period, turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this process.
12. Do not wash plastic items unless marked "dishwasher safe" or the equivalent. For plastic items not so marked, check the manufacturer's recommendations.
13. Do not tamper with controls.
14. To prevent accidental child entrapment and suffocation risks, always remove the door to the washing compartment when removing an old dishwasher from service or discarding it.
15. Use caution when unloading the dishwasher. Dishes will be hot if unloaded shortly after a cycle has completed.
16. Certified residential dishwashers are not intended for licensed food establishments.

Save These Instructions for Future Reference

OPERATING TIPS

Before You Start

- **Don't prerinse. Simply scrape off any bones or large food particles.**
- If connected to a food waste disposer, **make certain the disposer is empty before starting the dishwasher.**
- **Scrape off tomato-based food soils** (see page 11).
- **Remove certain foods** such as mustard, mayonnaise, lemon juice, vinegar, salt or dressings **from stainless steel flatware as soon as possible.** These foods may cause rusting and pitting if allowed to remain in contact with the surface for an extended period of time.

Operating the Dishwasher

1. After loading the dishwasher and adding detergent, select the desired cycle and options by pressing the pads. The indicator lights for the selected cycle and options will illuminate. To cancel an option press the pad again.
2. To start a cycle, close the door until it latches then press the **START/Cancel** pad once. After a pause, the fill will begin. The display countdown will flash until **START/Cancel** is pressed.

Note

- If **START/Cancel** is not pressed within 30 seconds of choosing your cycle, the dishwasher will turn off.

The dishwasher remembers your last cycle so you do not have to reset the cycle each time. To start the dishwasher using the same cycle and options selected on the previous wash, just press the **START/Cancel** pad.

3. To cancel a running cycle, press the **START/Cancel** pad once. The dishwasher will drain, then shut off. To turn the dishwasher off without draining, press the **START/Cancel** pad twice. To prevent unplanned cycle or option changes, these selections are "locked in" after 1 minute.

Note

- If a cycle pad is pressed after the controls have been "locked in", the light above the current cycle will flash three times.

Adding a Forgotten Item

For best cleaning, the forgotten item should be added early in the cycle.

1. Grasp door handle and unlatch door without opening completely. All lights will flash to indicate that the cycle is suspended.
2. Wait for the water circulation to stop.
3. Open the door and add the item.
4. Close and latch the door. Lights will stop flashing when the door is properly shut. After a slight delay, the cycle resumes automatically at the point of interruption.

Notes

- If the door is opened during a running cycle, there may be up to a 30 second delay before the dishwasher restarts after closing the door.
- Extended interruption of the wash cycle is not recommended.

LOADING

General Recommendations

(Rack features vary by model)

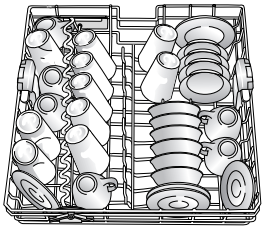
- Items can be centered behind a single tine or loaded at an angle to maximize space.
- Avoid blocking or preventing the spray arms from spinning freely. Do not allow items to extend beyond the racks.
- Face soiled surfaces toward the center of the dishwasher.

For best dishwashing results follow guidelines on following pages to determine the best arrangement for your items.

cont.

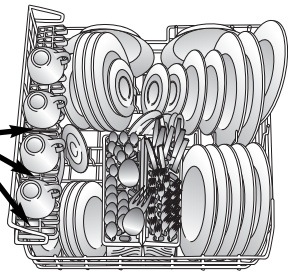
LOADING

10 Place Setting Load



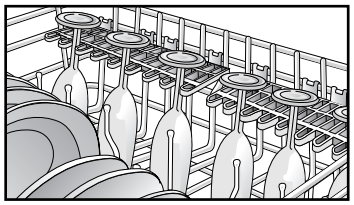
Upper Rack

3 bread and butter plates are loaded on the rack under the Stack-Rack Shelf

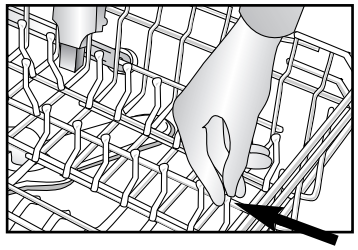


Lower Rack

The edge of the **Folding Shelf** is designed to hold stemware in place. Taller stemware will fit better on the right side as the upper rack is deeper on this side.



The **Folding Tines** (select models) located in the front right corner provide convenient loading space for large, bulky items like pots and pans or mixing bowls.

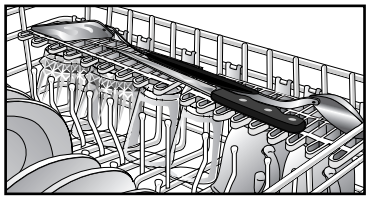


To lower tines, carefully push the tines out of each holder toward the center of the rack and lay the tines down.

Upper Rack

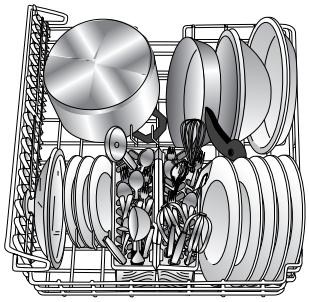
Glasses, cups, stemware, light-weight plastics, plates, bowls, pans, long-handled utensils etc. can be loaded in this rack. **Do not load glasses over the tines.**

The **Folding Shelf** on the right side of the upper rack folds up or down for loading flexibility. Fold it down to hold long-handled knives, spatulas and spoons or short items like cups or juice glasses. Fold it up for taller items like glasses, bowls, plates, etc.



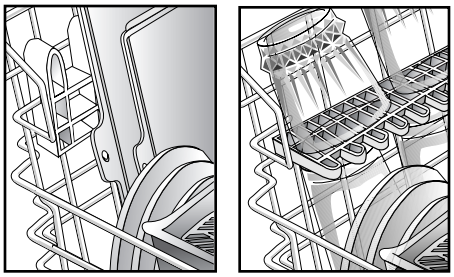
LOADING

Lower Rack



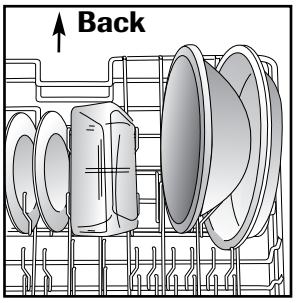
A variety of items such as dinner plates, mixing bowls, pots and pans and baking dishes can be loaded in this rack.

Tall items such as bakeware and large platters can be placed on the left side.



With the **Folding Shelf** shelf raised, thin items like cookie sheets or pizza pans may be placed along the left side. With the shelf down, two levels of glasses and cups can be loaded.

Convertible Tines (select models) in the back, right corner can be adjusted to provide narrow spacing for loading plates or wide spacing for loading deep bowls, pots or pans. Flip tines up for narrow spacing or down for wider spacing.



Utensil Baskets

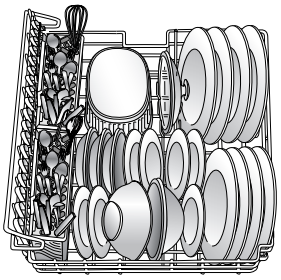
Removable Silverware Basket (select models)

For best cleaning results, prevent items from nesting together by placing some items in the basket with handles up and some with handles down. Load knives, handles up and spoons and forks handles down, through the slots in the hinged covered section(s) (when closed).

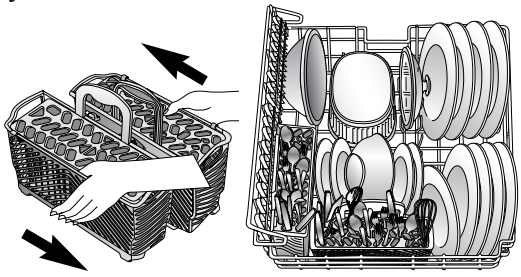
Be sure that thin, finely pointed items do not extend through the basket. This could block the lower wash arm.

Small, lightweight items like baby spoons and plastic measuring spoons should be placed in the section(s) with the hinged cover(s).

Split Silverware Basket (select models)

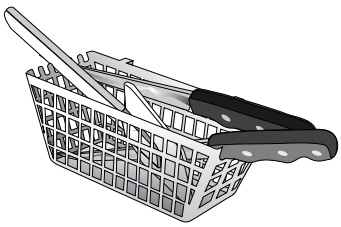


The split silverware basket can be separated and placed in several locations in the bottom rack. Load flatware and utensils into both sections or just one, depending on your load.



To split the basket, hold the basket firmly along the sides. Unlock baskets as shown here.

Auxiliary Basket



Use this supplemental basket in the upper rack for loading miscellaneous items and utensils. This is also a safe place to load sharp knives and pointed items.

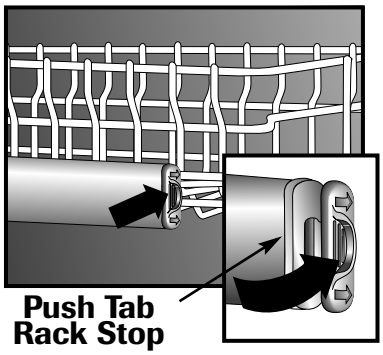
LOADING

Removing the Upper Rack

The rack can be removed when tall or oversized items need to be loaded into the lower rack. Unload the rack before removing it from the dishwasher.

To remove rack with push tab rack stops (select models):

1. Roll the rack ⅓ to ½ of the way out.
2. To remove each plastic push tab rack stop from the end of each track, push inward (toward the rack) on the ridged area of the rack stop. The rack stop will snap open and can be easily removed by pulling straight out. Take care to support the track while removing rack stops.



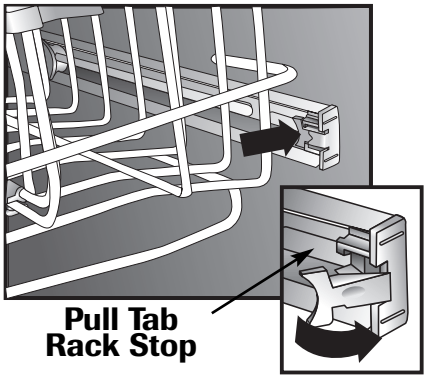
3. Roll the rack all the way out of the track and remove from the dishwasher.

To replace:

- Reverse the above procedure to replace the rack into the dishwasher.

To remove rack with pull tab rack stops (select models):

1. Roll the rack ⅓ to ½ of the way out.
2. To remove each plastic pull tab rack stop from the end of each track, locate two-prong tab on inside of the rail and pull tab out toward rack. The rack stop can then be easily removed by pulling it straight out. Take care to support the track while removing the rack stops.



3. Roll the rack all the way out of the track and remove from the dishwasher.

To replace:

- Reverse the above procedure to replace the rack into the dishwasher.

DISHWASHER USE

Hot Water

For optimal cleaning and drying results, hot water is necessary. The incoming water temperature should be 120° F (49° C) to properly activate the detergent and melt greasy food soils.

To check the incoming water temperature, turn on the hot water faucet nearest the dishwasher and let it run into a glass in the sink. Place a candy thermometer in the glass and check the temperature once it has stopped rising.

Detergent

Use a detergent designed specifically for use in an automatic dishwasher. Be sure it is fresh. Store granular detergent in a cool, dry place (not under the sink).

Recommended Amount

Too little detergent results in poor cleaning, hard water filming/spotting and poor drying. Too much detergent can cause permanent etching/cloudiness.

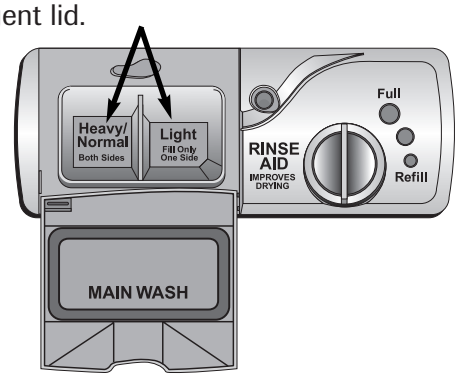
The amount of detergent to use is determined by the hardness of the water and soil level of the load. Refer to the following chart for detergent usage recommendations.

WATER HARDNESS*	SOIL LEVEL	DETERGENT AMOUNT
Soft (0-4 gpg)	Light Soil Normal Soil Heavy Soil	5 teaspoons 6 teaspoons 8 teaspoons
Medium (5-9 gpg)	Light Soil Normal Soil Heavy Soil	7 teaspoons 8 teaspoons 10 teaspoons
Hard (10-12 gpg)	Light Soil Normal Soil Heavy Soil	9 teaspoons 10 teaspoons 12 teaspoons

*Your local water utility or state university extension service can tell you the degree of water hardness in your area.

In extremely hard water conditions (13 grains per gallon or more*), it is difficult to achieve good results with any dishwasher. A mechanical water softener may be necessary to improve water quality, detergent effectiveness, and protect the dishwasher parts from the damage that hard water can cause.

Add recommended amount of detergent to either side of the Main Wash compartment as shown and close the detergent lid.



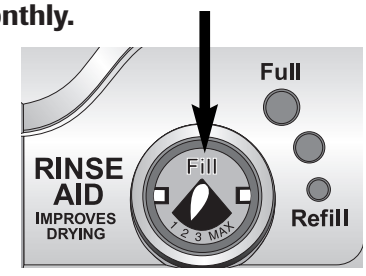
Do not use detergent with the **Rinse Only** cycle. Leave the detergent lid open when running **Rinse Only**.

Rinse Aid

Regular use of a rinse aid improves drying, reduces spotting and filming, and reduces moisture left on the dishwasher interior.

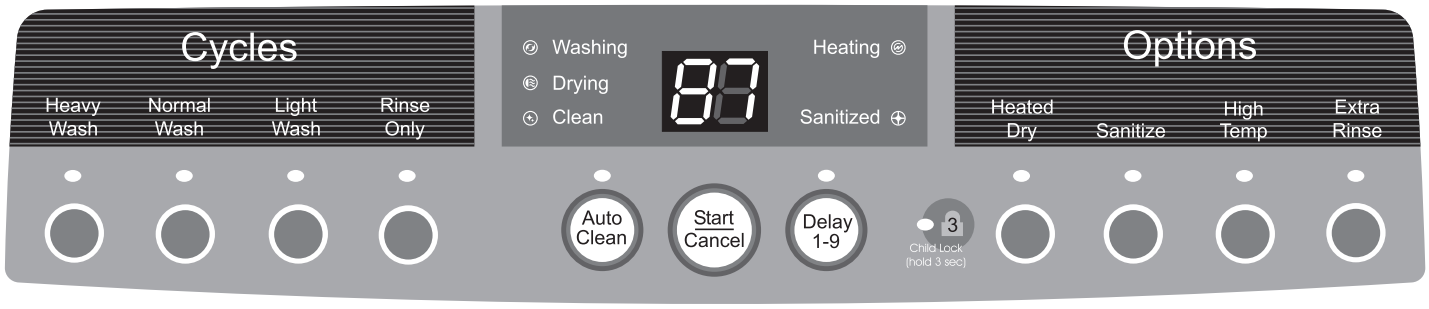
An automatic rinse aid dispenser is located next to the detergent cup.

The window next to the dispenser cap indicates when the rinse aid reservoir needs to be refilled. When the level of rinse aid is below the indicator marks and the window is nearly clear, it is time to refill the dispenser. **Check the dispenser monthly.**



To add rinse aid to the dispenser, turn the cap counterclockwise to open. Remove the cap and pour liquid rinse aid into the opening. The amount of rinse aid dispensed during the cycle is adjustable by moving the lever inside the reservoir area. For most water conditions use the manufacturer recommended setting of "2". Adjust it up to the "MAX" setting for hard water. Set the lever anywhere between these amounts as needed to get the best results. Replace the cap and turn it clockwise to close.

CYCLES, OPTIONS AND LIGHTS



Cycles

Choose the cycle that best describes your dishload by pressing the corresponding touchpad. (See page 2, **Operating Tips**, for how to begin the cycle).

CYCLE	DESCRIPTION	TIME (APPROX. MINUTES)	NUMBER OF WASHES/RINSES
Heavy Wash	Long cycle for heavy food soils.	131	2 washes/3 rinses
Normal Wash	Medium cycle for average food soils. Precision Clean™ Turbidity sensor is active with this cycle.	97-118	1-2 washes*/1-2 rinses*
Light Wash	Short cycle for light food soils.	82	2 washes/1 rinse
Auto Clean	Designed to select the number of water fills best suited for the soil level of each load. Wash sensor is active with this cycle.	97-131	1-2 washes*/1-3 rinses*
Rinse Only	Rinses dishes being held until there is a full load.	9	1 rinse

* Number of fills will vary depending on the soil level of each load.

Notes

- Depending on water temperature, there may be time added to the cycle to bring water up to temperature.
- Cycle times shown in the numerical display will increase or decrease, based on each load's soil level, water temperature and selected options.
- Only the following certified cycles have been designed to meet NSF requirements (NSF/ANSI 184 Residential Dishwasher) for sanitization: Auto Clean, Heavy Wash, Normal Wash and Light Wash.

Cycles, Options and Lights

Cycle Options

In addition to choosing a cycle from page 7, choose as many available options **as are needed** for your dishload.

OPTION	DESCRIPTION	USE WITH CYCLES
High Temp	Select when washing loads with hard-to-remove food soils. Depending on which cycle is being used, this option adds heat and/or wash time to the wash cycle.	Heavy Wash Normal Wash Light Wash Auto Clean
Sanitize	Sanitizes dishware. When cycle monitor recognizes that the proper conditions have been met, SANITIZED light will activate at the end of the cycle. Sanitization may not be achieved if there is an interruption of the cycle, power failure or if the incoming water temperature is below 120° F (49° C).	Heavy Wash* Normal Wash* Light Wash* Auto Clean*
Extra Rinse	Adds an additional rinse to cycle. An extra rinse helps to improve results in hard water situations.	All cycles (except Rinse Only)
Heated Dry	For enhanced drying results select this option. When Heated Dry is not selected, towel drying of some items such as plastic and items with non-stick surfaces may be necessary and more moisture may be noticed adhering to the dishwasher interior. In models with plastic interiors, it is normal to notice vapor escaping from the door vent as the heat dries your dishes. Vapor will escape even if Heated Dry is **not** selected.	All cycles (except Rinse Only)

* Only these cycles have been designated to meet NSF requirements (NSF/ANSI 184 Residential Dishwasher) for sanitization.

⚠ CAUTION

CAUTION – In models with plastic interiors, it is normal to notice vapor escaping from the door vent in the upper left corner of the door as the heat dries your dishes. The vapor is hot and may cause minor burns.

Options

OPTION	DESCRIPTION	USE WITH CYCLES
Start/Cancel	Starts and stops dishwasher. See page 2 under **Operating Tips: Starting the Dishwasher**, for explanation.	All Cycles
Delay	Used to automatically start the cycle at a later time. See page 9 for instructions.	All Cycles
Control Lock Option	Locks control touchpad to prevent unwanted use. See page 9 for instructions.	All Cycles

CYCLES, OPTIONS AND LIGHTS

Lights/Display

Delay

The **Delay** option can be used to automatically start the cycle at a later time to reduce daytime heat buildup in the home or to take advantage of reduced energy costs if available in your area. This option is also useful for conserving hot water at times of high household usage (showers, laundry).

To set up a Delay:

1. Select the appropriate cycle and options for the load. Close the door.
2. Press the **Delay** pad until the desired amount of delay time is selected.
3. The **Delay** indicator and the count down display (select models) will flash until the **START/Cancel** pad is pressed.
4. As soon as the **START/Cancel** pad is pressed, the flashing will stop and the delay time will begin counting down. The **Delay** indicator will remain lit until the delay time has counted down.
5. The cycle will automatically start as soon as the delay time expires.

Note

- If 30 seconds elapse between setting the cycle and options and pressing the **START/Cancel** pad, the dishwasher will turn off.

To cancel a Delay:

When the delay is counting down, press the **Delay** pad again. The indicator light will go out and the cycle will start or resume immediately.

To cancel a Delay and the cycle:

- Press **START/Cancel** once to drain and turn off the dishwasher.

Or

- Press **START/Cancel** twice to turn dishwasher off without draining.

Control Lock Option

The control touchpads can be locked to prevent unwanted use. If this feature is activated between cycles, the dishwasher cannot be operated until the controls are unlocked. If desired, the controls can be locked after a cycle or delay has started.

Setting the Control Lock:

1. Press the **Heated Dry** pad for three seconds.
2. An indicator light next to the lock graphic will illuminate when the controls are locked.

To Cancel:

1. Press the **Heated Dry** pad for three seconds.
2. The indicator light will go off.

Notes

- If a cycle or option pad is pressed after the controls have been locked, the indicator light next to the lock graphic will flash five times. On selected models with a countdown display, the display will flash an “L” simultaneously with the lock indicator.
- This option does not lock the door, only the dishwasher controls.

Cycles, Options and Lights

Lights/Display (select models)

INDICATOR	DESCRIPTION
TIME REMAINING Display	Shows approximate minutes remaining in a cycle. The symbol "2H" will appear when cycle time is greater than 99 minutes. Cycle times shown in the numerical display (select models) will increase or decrease, based on each load's soil level, water temperature and selected options.
CLEAN Light	Illuminates at the end of the cycle and remains lit until the door has been open for 30 seconds continuously.
DRYING Light	Illuminates during the entire dry period and goes out when the cycle is completed.
WASHING Light	Illuminates during all rinse and wash portions of the cycle.
HEATING Light	Illuminates when cycle is being extended to heat the water.
SANITIZED Light	Illuminates at the end of the cycle when conditions have been met to achieve sanitization. The light will remain lit until the door has been open for 30 seconds continuously.

Notes

- When Sanitize is selected, cycles are monitored to assure sanitization. The SANITIZED light will not activate if sanitization requirements are not met. This could happen if the cycle is interrupted, power failure occurs or incoming water temperature is below 120° F (49° F).
- The CLEAN and SANITIZED indicator lights (select models) will not relight after a power failure until after the next cycle is run.

What Can and Cannot Be Washed

Most tableware, cookware and flatware can safely be washed in your dishwasher. Check with the manufacturer.

MATERIAL	DISHWASHER SAFE?	SPECIAL INFORMATION
Aluminum	Yes, except anodized.	High water temperature and detergents may affect finish.
Cast Iron	No	Seasoning will be removed, and iron will rust.
China/Stoneware	Yes, except antique or hand-painted.	Always check manufacturer's recommendation before washing. Antique, hand-painted or over-the-glaze patterns may fade. Gold leaf may discolor.
Crystal	Yes, except antique or delicate crystal.	Always check manufacturer's recommendation before washing. Some types of leaded crystal may etch with repeated washings.
Filters	Not recommended.	May leave a dingy deposit or stain on dishwasher interior.
Glass	Yes	A specialty glass called milk glass can yellow with repeated dishwasher washing.
Gold-Plated Flatware	No	Will discolor.
Pewter, Tin	No	
Plastics	Yes, top rack, except disposable plastic items.	Always check manufacturer's recommendation before washing. Plastics vary in their capacity to withstand high water temperatures and detergents. Disposable plastic items are not dishwasher safe for this reason.
Stainless Steel	Yes	Run a Rinse Only cycle if not washing immediately. Prolonged contact with foods containing salt, vinegar, milk products or juice could damage finish.
Sterling Silver or Silverplate	No, if has commercial "darkening".	Always check manufacturer's recommendation before washing. Run a Rinse Only cycle if not washing immediately. Prolonged contact with food containing salt, acid or sulfide (eggs, mayonnaise and seafood) could damage finish. Commercial "darkening" may be removed by detergent.
Wooden Items	No	Wood may warp, crack or discolor.

CARE AND CLEANING

General Recommendations

- The dishwasher interior is normally self-cleaning. Periodically check the bottom of the dishwasher tub to see if any large particles remain.
- Wipe the edge of the inner door liner to remove any food soil splashes which occurred during loading.
- When cleaning stainless steel, always wipe with the grain. **Never** use products containing chlorine bleach or citric acid.
- The color from some tomato-based food soils may occasionally adhere to various components of the dishwasher interior, causing temporary discoloration.

  To minimize this:

  - Remove excess tomato-based food soils from dishes before loading.
  - Run the **Heavy Wash** cycle when washing loads containing tomato-based food soils.
  - Be sure to use a dishwasher detergent that contains chlorine to better fight staining.

LOCATION	SOIL LEVEL	TREATMENT
Standard Exterior	Light to moderate	Soft damp cloth and liquid spray cleaner. ***Do Not*** use abrasive powders or cleaning pads.
Stainless Steel Exterior (select models)	Daily cleaning and light soil	Soft cloth or sponge and one of the following: • Mild detergent and water • A solution of white vinegar and water • Formula 409 Glass and Surface Cleaner*, or similar multi-surface cleaner. • ***Do Not*** use products containing chlorine bleach or citric acid. Follow with rinse and dry.
	Moderate to heavy soil	Soft cloth or damp sponge and Bon Ami*. Follow with rinse and dry.
	Streaks or fingerprints/restore shine	Soft cloth and multi-surface cleaner.
	Discoloration	Soft cloth or damp sponge and Cameo Stainless Steel Cleaner*. Rinse immediately and dry.
Interior	Light to moderate	Soft cloth or damp sponge.
	Discoloration, or tomato-based stain	Switch dishwasher detergent to chlorine-based product.

*Brand names are trademarks of the respective manufacturer.

Storage/Moving

Fill detergent cup with a fresh-scented dishwasher detergent or baking soda and select the **Normal Wash** cycle. Allow the dishwasher to complete the cycle. Then turn the water supply off and drain the dishwasher. To drain, press the **START/Cancel** pad once to activate the dishwasher. Press **START/Cancel** again to activate the drain. Operate the drain twice to ensure most of the water is removed. Last, disconnect the electrical supply and prop open the door.

When turning the water supply to the home off, the water shut off at the dishwasher must be turned off also.

TROUBLESHOOTING

CHECK THESE POINTS TO HELP SAVE YOU TIME AND MONEY.

PROBLEM	SOLUTION
Dishwasher will not fill	• Press the START/Cancel pad to start the dishwasher. • Be sure door is latched securely. • Be sure the water is turned on. • Check that the pad is properly selected for a cycle. • Check your home's circuit breaker or fuse box. • Check inlet hose for a kink. • Check water valve inlet for sediment and clean if necessary.
Dishwasher will not drain/ Water in tub bottom	• If hooked up to a food waste disposer, be sure the knock-out is removed from the disposer inlet. • Check for food obstruction in the drain or disposer. • Check drain hose for a kink. • Check your home's circuit breaker or fuse box. • Check that the cycle is completed.
Dishwasher adds water at end of cycle	• This is normal. The sensor (select models) in the pump must stay submerged so a short fill of water is added after the cycle's last drain.
Detergent cup is not empty	• Check that the cycle is completed. • Be sure dispenser is not blocked. • Use fresh detergent stored in a cool, dry place.
Dishwasher seems noisy	• A water valve hiss during fill is normal. • Water circulation sounds are normal. • A thumping sound may be a wash arm bumping an item that is extending beyond the racks. Readjust load to avoid obstructing wash arm. • Chopping or grinding sounds may be heard as the internal food disposer chops hard items like fruit seeds, nuts, etc. • Humming during the drain is normal. • A snap noise is the detergent cup lid hitting the door liner when the dishwasher door is opened at the end of the cycle. This is normal. • Proper installation affects the noise level.
Cycle takes too long (Heating light stays on)	• High Temp or Sanitize has been selected and the cycle is extended to heat water. • Check to see that the incoming water temperature is 120° F (49° C).
Dishwasher has an odor	• Run dishes being held in the dishwasher through a Rinse Only cycle. • Many dishwashers have a "new" smell when first installed. This will dissipate with use. • Dishwasher may not be draining properly. (See "Dishwasher Will Not Drain" section.) • For a strong odor, place baking soda in both sides of the detergent cup. Select Light Wash cycle and allow the water to circulate for about 10 minutes. Interrupt the cycle by unlatching the door and let it stand overnight. Restart the dishwasher by latching the door and allow it to complete the cycle. Another alternative is to use a dishwasher cleaning product such as Jet-Dry Dishwasher Cleaner*.
Dishwasher leaks	• Check that the dishwasher is level. (Refer to the Installation Instructions.) • Suds can cause the dishwasher to overflow. Measure the detergent carefully and use only detergents designed for use in a dishwasher. Less detergent is needed in soft water. Try another brand of detergent if sudsing continues. • Follow directions closely on how to add a forgotten item (pg. 2). • To avoid rinse aid leaking from the dispenser, be sure the lid is securely attached.

*Brand names are trademarks of the respective manufacturer.

Cont.

TROUBLESHOOTING

PROBLEM	SOLUTION
Display time suddenly drops or increases by several minutes (select models)	• This is normal when the Auto Clean (select models) or Normal Wash cycle is selected and the dishwasher decides to skip or add a drain and refill.
Indicator lights flashing	• The countdown display (select models) flashes after a cycle is selected until the START/Cancel pad is pressed. • The countdown display (select models) and the delay indicator flash after a delay is selected until the START/Cancel pad is pressed. • All active display indicators flash if the door is opened during a running cycle or delay. • The currently selected cycle flashes if an attempt is made to change the cycle after cycle "lock-in". • The lock indicator flashes and the countdown display (selected models) flashes an "L" if a pad is pressed while the control lock is enabled.
Glasses are cloudy/spotted	• Select Extra Rinse (select models). • Check water temperature. Incoming water should be 120° F (49° C). • Always use a rinse aid. • Confirm that the cloudiness is removable by soaking the item in white vinegar for approximately 5 minutes. If removed, the problem is due to hard water. Adjust detergent amount being used to match water hardness (pg. 6). Be sure detergent is fresh, stored properly and is a high quality brand. • If cloudiness is not removable, it is **etching**. This is an erosion of the surface of the glassware and can be caused by water that is too hot, from using too much detergent or by prewashing. Detergent needs food soil to act upon. If etching has occurred, the glassware is permanently damaged. To prevent further etching, adjust the detergent amount to match the water hardness, stop prewashing, and use water heating options only when incoming water temperature is below 120° F (49° C).
Food soil remains on dishes	• Check water temperature (pg 6). • Run hot water at the sink before starting the dishwasher. • Select High Temp option. • Check water hardness and adjust detergent amount accordingly (pg. 6). • Use fresh detergent stored in a cool dry place. • Select proper cycle for the soil level (pg. 7). • Make sure the upper rack wash arm connector is correctly aligned in one of the water inlet holes (pg. 5). • Load items so they do not block the wash arms (pg. 2-5). • Load the utensil basket with knife handles up and spoon and fork handles down through the slots in the covers. • Do not place glasses over tines. • Prior to loading, scrape off burnt on foods and wipe the starchy film from utensils used with pasta, rice and oatmeal. These soils require more energy than the rest of the load to clean.
Items washed in the dishwasher or the dishwasher tub itself are stained/ discolored	• Aluminum utensils or pans can leave marks when they rub against other items. Leave a slight space between items. • Iron deposits in the water can leave a yellow, brown or orange film on dishes or the dishwasher tub. A rust filter may be needed, check with a water treatment company. • Separate silver or silver-plated silverware from stainless steel. These metals can be damaged by contact with each other during washing. • Color from tomato sauces may adhere to the interior parts of the dishwasher (pg. 11). If light staining has occurred, leave the door open to oxidize the stain away. Change dishwasher detergent and be sure to use a dishwasher detergent that contains chlorine to better fight staining. • Certain dishwasher detergents may stain silver. Try another brand of detergent.

*Brand names are trademarks of the respective manufacturer.

TROUBLESHOOTING

PROBLEM	SOLUTION
Items not properly dried/ moisture is present on the dishwasher interior after the dry cycle	• Be sure Heated Dry is selected. • Water droplets may form on the inner door as part of the drying process. • Use a rinse aid separate from the detergent like Jet Dry* or Cascade Rinse Aid* regularly, to improve drying. Turn the rinse aid selector toward the MAX setting. • Check water temperature (pg. 6). • Select Sanitize. • Increase detergent amount to match water hardness (pg. 6). • Load properly. (pg. 2-5) • Plastic and items with non-stick surfaces are difficult to dry because they have a porous surface which tends to collect water droplets. Towel drying may be necessary. • Glasses and cups with concave bottoms hold water and require towel drying. Locate these items on the more slanted side of the rack for improved results.
Dishware is chipped	• Load dishes according to instructions so they do not strike each other (pg. 2-5). • Washing fine antique china/crystal in the dishwasher is not recommended. • Do not load glasses over the tines. • Do not overload.
Sanitized light does not illuminate at the end of the cycle (select models)	• Sanitize was not selected. • Sanitization can only be achieved with the Auto Clean, Heavy Wash, Normal Wash or Light Wash cycles. • Sanitization may not be achieved if there is an interruption of the cycle, power failure or if incoming water temperature is below 120° F (49° C).
Dishwasher door will not close	• Be sure adjustable racks (select models) are properly adjusted to upper or lower position.

*Brand names are trademarks of the respective manufacturer.

WARRANTY AND SERVICE

SAMSUNG DISHWASHER

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by SAMSUNG ELECTRONICS AMERICA, INC. (SAMSUNG) and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of:

One (1) Year All Parts and Labor, Two (2) Years All Parts, Five (5) Years Parts on Electronic Control System, and Ten (10) Years Parts and Labor on Tub and Door Liner

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center. Transportation of the product to and from the service center is the responsibility of the purchaser.

SAMSUNG will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, noncommercial use of this product and shall not apply to the following: damage which occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or exterior finish; accidents, abuse, neglect, fire, water, lightning or other acts of nature; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by SAMSUNG which damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, maintenance and environmental instructions that are covered and prescribed in the instruction book; product removal and reinstallation; problems caused by pest infestations. This limited warranty does not cover problems resulting from incorrect electric current, voltage or supply, light bulbs, house fuses, house wiring cost of a service call for instructions, or fixing installation errors. SAMSUNG does not warrant uninterrupted or error-free operation of the product.

EXCEPT AS SET FORTH HEREIN THERE ARE NO WARRANTIES ON THIS PRODUCT EITHER EXPRESS OR IMPLIED AND SAMSUNG DISCLAIMS ALL WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, INFRINGEMENT OR FITNESS FOR A PARTICULAR PURPOSE. NO WARRANTY OR GUARANTEE GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BE BINDING ON SAMSUNG. SAMSUNG SHALL NOT BE LIABLE FOR LOSS OF REVENUE OR PROFITS, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST SAMSUNG BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY SAMSUNG AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, PURCHASER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PURCHASER AND PURCHASER'S PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT, IS NONTRANSFERABLE AND STATES YOUR EXCLUSIVE REMEDY.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty service, please contact SAMSUNG at:

SAMSUNG ELECTRONICS AMERICA, INC. - CONSUMER ELECTRONICS CUSTOMER SERVICE
400 Valley Road, Suite 201, Mt. Arlington, NJ 07856
Tel: 973-601-6000, Fax: 973-601-6001
1-800-SAMSUNG (1-800-726-7864)
www.samsungusa.com

SAMSUNG